

File Navigation

ls

Lists the contents of directory

ls -1

Forces single column output

ls -l

Displays permissions, links, owners, etc.

cd d + TAB key

TAB will auto-fill IF there is a unambiguous match

ls -t

Sorts entries by time

ls -h

Lists contents in human-friendly units

cd

Changes directory, "cd .." changes to parent directory. Alternatively, can enter full path, e.g. "cd /home/user1/Documents/"

ls -R

Lists content recursively, e.g. including content from directory

ls -a

Lists all contents, even hidden

pwd

Shows the current working directory with full path

ls -m

Displays content in single line, separated by comma

cd /dir

Regardless of current working dir, use will change to /dir

File Manipulation

mkdir dir1

Creates new directory

mv doc1 doc2 new

Moves multiple files to new location

cp doc1 doc2 new

Link mkdir, can copy many files at once to a destination

rm doc1

Deletes a file

cp file *.jpg new

Copies all jpg's that start with file into new

mv origFile newLoc

Moves file to new location

cp origFil newDes

Copies file to new destination

rm -R

Deletes a directory

cp doc* dir

*wildcard copies all files that start with doc into dir

rm doc1 doc2

Deletes multiple docs at once

mkdir dir1 dir2

Creates directory, or several ones

mv -n doc1

Does not overwrite existing file

cp -i origFile new

interactive mode, ensures no overwrite

rmdir dirName

Also deletes a directory

cat file

Displays content of file in the console

ls | sort

Pipelining, first lists then sorts

cat doc1 > doc2

Performs like a copy, using redirection operator

ls /home -a sort | uniq

All unique items in home dir

cat doc1 » doc2

Appends doc1 to end of doc2

wc file1

Word, line, and byte count of file1

ls -l /user/home > home.txt

Lists contents of home to home.txt

wc -l file1

Returns lines in file1

sort file1

Sorts the contents of file1 line-by-line

grep

Processes text line-by-line and prints any matching patterns

sort file1 > sorted

Sorted file1 content saved to sorted

ls dir1 | grep "zip"

Shows all zip files in our dir1 path

uniq file1

Filters out duplicate lines from file1

grep -c "Error" log.txt

returns number of Error in log.txt

grep -i Error log

case insensitive search for Error in log